

Table 2-7: CO₂ Emissions from Fossil Fuel Combustion in Transportation End-Use Sector (Tg CO₂ Eq.)

Fuel/Vehicle Type	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Motor Gasoline	955.5	950.5	964.6	986.1	1002.2	1,023.0	1,041.4	1,050.6	1,074.0	1,096.6
Passenger Cars	612.8	607.9	622.5	627.8	624.2	634.3	646.6	652.3	666.8	680.9
Light-Duty Trucks	274.1	273.6	273.2	284.8	308.2	314.2	320.4	323.1	342.4	349.6
Other Trucks	41.4	41.0	41.2	43.0	38.1	40.0	40.7	40.5	32.1	32.8
Motorcycles	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Buses	2.0	2.4	2.3	2.6	3.4	3.0	2.1	2.2	0.8	0.9
Construction Equipment	2.2	2.2	2.1	2.1	2.3	2.4	2.4	2.5	2.0	2.0
Agricultural Machinery	4.4	4.4	4.3	7.2	7.7	7.9	7.8	8.2	7.6	7.8
Boats (Recreational)	16.9	17.4	17.3	17.0	16.6	19.5	19.7	20.1	20.5	21.0
Distillate Fuel Oil (Diesel)	277.4	266.3	275.9	283.4	302.3	312.2	329.0	342.8	353.5	367.1
Passenger Cars	7.1	6.8	7.2	7.4	7.3	7.6	7.6	7.9	7.6	8.0
Light-Duty Trucks	9.0	8.6	8.9	9.4	10.2	11.2	13.1	14.2	14.4	15.1
Other Trucks	164.1	157.1	163.0	173.0	188.6	195.4	207.0	216.1	225.5	236.5
Buses	7.9	8.1	8.2	8.4	8.5	9.9	8.6	9.2	10.7	11.2
Construction Equipment	10.5	10.4	10.5	10.6	10.6	10.5	10.9	11.2	10.8	11.3
Agricultural Machinery	23.1	22.7	23.0	23.2	23.2	23.0	23.8	24.5	23.7	24.9
Boats (Freight)	18.0	17.4	18.3	16.8	16.6	16.1	18.4	18.3	17.8	18.7
Locomotives	26.3	24.3	26.2	23.9	28.6	29.5	31.5	32.4	31.6	33.2
Marine Bunkers	11.4	10.8	10.6	10.6	8.8	9.1	8.2	9.0	11.4	8.2
Jet Fuel	220.4	213.0	211.2	213.0	221.6	219.9	229.8	232.1	235.6	242.9
General Aviation	6.3	5.5	4.7	4.1	4.4	5.3	5.8	6.1	7.7	8.4
Commercial Air Carriers	118.2	109.4	112.2	114.9	117.3	121.4	124.9	129.4	131.4	137.3
Military Vehicles	36.1	35.8	27.8	26.6	23.0	21.6	20.1	17.8	18.4	17.1
Aviation Bunkers	46.7	46.7	47.1	47.6	48.3	51.1	52.1	55.9	55.0	61.0
Other ^a	13.1	15.7	19.4	19.8	28.5	20.5	26.8	23.0	23.0	19.2
Aviation Gasoline	3.1	2.9	2.8	2.6	2.6	2.7	2.6	2.7	2.4	2.7
General Aviation	3.1	2.9	2.8	2.6	2.6	2.7	2.6	2.7	2.4	2.7
Residual Fuel Oil	80.4	80.5	84.4	71.3	69.9	72.1	67.5	56.7	55.9	64.1
Boats (Freight) ^b	24.5	18.0	32.2	29.6	29.0	31.3	25.7	11.8	9.5	25.9
Marine Bunkers ^b	55.8	62.5	52.3	41.7	40.9	40.8	41.8	44.9	46.4	38.2
Natural Gas	36.0	32.8	32.1	34.0	37.4	38.3	38.9	41.5	34.9	34.8
Passenger Cars	+	+	+	+	0.1	0.1	+	+	+	+
Light-Duty Trucks	+	+	+	+	+	+	+	+	+	+
Buses	+	+	+	+	+	0.1	0.1	0.2	0.2	0.2
Pipeline	36.0	32.8	32.1	33.9	37.3	38.2	38.8	41.3	34.7	34.6
LPG	1.3	1.2	1.1	1.2	2.0	1.0	0.9	0.8	0.9	1.0
Light-Duty Trucks	+	+	+	+	+	+	+	+	+	+
Other Trucks	0.5	0.5	0.5	0.4	0.9	0.5	0.4	0.4	0.3	0.4
Buses	0.8	0.7	0.7	0.7	1.1	0.5	0.5	0.4	0.5	0.6
Electricity	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.5	2.5	2.4
Buses	+	+	+	+	+	+	+	+	+	+
Locomotives	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	1.9
Pipeline	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5
Lubricants	11.7	10.5	10.7	10.9	11.4	11.2	10.9	11.5	12.0	12.1
Total (Including Bunkers)^c	1,588.4	1560.25	1585.45	1604.91	1651.85	1,682.8	1,723.4	1,741.2	1,771.7	1,823.7
Total (Excluding Bunkers)^c	1,474.4	1440.2	1475.5	1505.0	1553.8	1,581.8	1,621.2	1,631.4	1,659.0	1,716.4

Note: Totals may not sum due to independent rounding.

^a Including but not limited to fuel blended with heating oils and fuel used for chartered aircraft flights.

^b Fluctuations in emission estimates from the combustion of residual fuel oil are currently unexplained, but may be related to data collection problems.

° Official estimates exclude emissions from the combustion of both aviation and marine international bunker fuels; however, estimates including international bunker fuel-related emissions are presented for informational purposes.

+ Does not exceed 0.05 Tg of CO₂ Eq.